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Substitute f	or form 1449/PTO			Complete if Known		
IN	FORMATION DI	SCL	OSURE	Application Number	09/101,518	
ST	ATEMENT BY A	PPL	ICANT	Filing Date	December 21, 1998	
				First Named Inventor	Li	
	(use as many sheets as	s neces	sary)	Group Art Unit	1646	
				Examiner Name	Pak, M.	
Sheet	1	of	4	Attorney Docket Number	PF218US	

U.S. PATENT DOCUMENTS								
Examine	Cita	Cite No. 1 Kind Code <sup>2</sup> Number (if known)		Name of Patentee or Applicant	Date of Publication	Pages, Columns, Lines, Where Relevant		
Initials				of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear		
MOP	AA	5,155,218	B1	Weinshank et al.	10-13-1992			
4	AB	AB 5,374,506 B		Murphy	12-20-1994	-		
	AC	5,786,157	B1	Weinshank et al.	07-28-1998			
	AD	5,882,855	B1	Weinshank et al.	03-16-1999			
	AE	5,935,925	B1	Weinshank et al.	08-10-1999			
	AF	6,140,064	B1	Loetscher et al.	10-31-2000			
V	AG	6,171,590	В1	Howard et al.	01-09-2001			
Day	AH	6,184,358	В1	Loetscher et al.	02-06-2001			

					F	OREIGN PATENT DOCUMENT	ΓS		
Examiner Initials		niner Cite			Kind Code <sup>5</sup> (if known)		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т6
MOP		ΑI	WO	91/1717	74 A1	Neurogenetic Corporation	11-14-1991		
<b>A</b> I		AJ	WO	92/0098	36 A1	Neurogenetic Corporation	01-23-1992		
			Trustees of Boston University; Repligen Corporation	10-29-1992					
		AL	wo	93/0622	29 A1	United States of America	04-01-1993		
			Theodor-Kocher Institute; Leukosite	03-19-1998					
		AN	wo	98/3285	58 A2	Schering Corporation	07-30-1998		
		Astra Pharmaceuticals Ltd.	10-07-1999						
	1	AP	WO	00/1843	31 A1	Corixa Corporation	04-06-2000		
COM	P	AQ	WO	00/2212	29 A1	Arena Pharmaceuticals	04-20-2000		

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Signature	MICHAEL PHIC	Considered	12/12/01

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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIP Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet	2	of	4	Attorney Docket Number	PF218US	

		OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS	_			
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
MOP	AR	SAMBROOK et al., Molecular Cloning. New York: Cold Spring Harbor Laboratory Press. 1989, 2 <sup>nd</sup> ed., pages 10.2-10.3 and 10.29-10.35.				
1	AS	MARCHESE et al., "Cloning of human genes encoding novel G protein-coupled receptors," Genomics 23(3):609-18, October 1994.				
	AT	MILLS et al., "Orphan seven transmembrane domain receptors: reversing pharmacology," Trends in Biotechnol. 12:47-49, 1994.				
	Trends in Biotechnol. 12:47-49, 1994.  AU HEIBER et al., "Isolation of three novel human genes encoding G protein-coupled receptors," DNA Cell Biol. 14(1):25-35, January 1995.  AV LOETSCHER et al., GenBank Accession No. P49682, "C-X-C chemokine receptor (CXC-R3) (CXCR-3) (CKR-L2)," June 1, 1996.					
	AW					
	AX	LOETSCHER et al. "Chemokine receptor specific for IP10 and mig: structure, function, and expression in activated T-lymphocytes," J. Exp. Med. 184(3):963-969, 1996.	- 1			
	AY	LOETSCHER et al., GenBank Accession No. X95876, "H.sapiens mRNA for G-protein coupled receptor," May 16, 1997.	_			
	AZ	LOETSCHER et al., GenBank Accession No. CAA65126, "G-protein coupled receptor [Homo sapiens]," May 16, 1997.				
	BA	GUTIERREZ et al., GenBank Accession No. Z79783, "H.sapiens G protein-coupled receptor CKR-L2," July 26, 1997.	_			
	BB	GUTIERREZ et al., GenBank Accession No. CAB02143, "G PROTEIN-COUPLED RECEPTOR CKR-L2 [Homo sapiens]," July 26, 1997.	_			
	BC	SOTO et al., "The CC chemokine 6Ckine binds the CXC chemokine receptor CXCR3," Proc. Natl. Acad. Sci. USA 95:8205-8210, July 1998.	_			
	BD	Geneseq Accession No. AAV26557, "Human IP-10/Mig receptor CXCR3 gene," August 14, 1998.	_			
	BE	Geneseq Accession No. AAW54371, "Human IP-10/Mig receptor CXCR3 protein," August 14, 1998.	_			
	BF	TAMARU et al., "Cloning of the murine interferon-inducible protein 20 (IP-10) receptor and its specific expression in lymphoid organs," Biochem. Biophys. Res. Commun. 251(1):41-48, October 9, 1998.	_			
<b>V</b>	BG	TAMARU et al., GenBank Accession No. BAA34045, "interferon-inducible protein 10 receptor [mus musculus]," October 28, 1998.	_			
MOR	ВН	Geneseq Accession No. AAW69999, "Rodent chemokine receptor HST01.1 amino acid sequence," October 30, 1998.	_			

Examiner Signature MICHAEL PAK	Date Considered	12/12/01
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<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Complete if Known bstitute for form 1449/PTO INFORMATION DISCLOSURE Application Number 09/101,518 Filing Date STATEMENT BY APPLICANT December 21, 1998 First Named Inventor Li Group Art Unit 1646 (use as many sheets as necessary) **Examiner Name** Pak, M. PF218US Attorney Docket Number

Sheet		3 of 4 Attorney Docket Number PF218US		
		OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
MbP	BI	BALASHOV et al., "CCR5 <sup>+</sup> and CXCR3 <sup>+</sup> T cells are increased in multiple sclerosis and their ligands MIP-1α and IP-10 are expressed in demyelinating brain lesions," Proc. Natl. Acad. Sci. USA 96:6873-6878, June 1999.		
1	BJ	TRENTIN et al., "The chemokine receptor CXCR3 is expressed on malignant B cells and		
	BK	mediates chemotaxis," J. Clin. Invest. 104(1):115-121, July 1999.  LU et al., "Structure and function of the murine chemokine receptor CXCR3," Eur. J.  Immunol. 29(11):3804-12, November 1999.		
	BL	KOGA et al., "T cell infiltration into class II MHC-disparate allografts and acute rejection is dependent on the IFN-γ-induced chemokine Mig," J. Immunol. 163:4878-4885, 1999.		
	ВМ	Geneseq Accession No. AAZ32713, "Human chemokine receptor CXCR3b cDNA," January 31, 2000.		
	BN	Geneseq Accession No. AAY50129, "Human chemokine receptor CXCR3b," January 31, 2000.		
BO WANG et al., GenBank Accession No. AAF76982, "chemokine receptor CXCR3 [R norvegicus]," June 19, 2000.				
	BP	TAMARU et al., GenBank Accession No. JE0349, "interferon-inducible protein 10 (IP-10) receptor – mouse," July 21, 2000.		
	BQ	JONES et al., "Expression pattern of T-cell-associated chemokine receptors and their chemokines correlates with specific subtypes of T-cell non-Hodgkin lymphoma," Blood 96(2):685-690, July 15, 2000.		
	BR	Geneseq Accession No. AAY79372, "Human chemokine receptor CXCR3," August 1, 2000.		
	BS	Geneseq Accession No. AAA30593, "Human G protein-coupled receptor GPR9 cDNA," August 21, 2000.		
	ВТ	Geneseq Accession No. AAY90614, "Human G protein-coupled receptor GPR9," August 21, 2000.		
	BU	Geneseq Accession No. AAA30714, "DNA encoding human mutant G protein-coupled receptor GPR9 (M254K)," August 21, 2000.		
	BV	Geneseq Accession No. AAY90648, "Human mutant G protein-coupled receptor GPR9 (M254K)," August 21, 2000.		
	BW	SOTO et al., GenBank Accession No. 088410, "C-X-C chemokine receptor type 3 (CXC-R3) (CXCR-3)," October 9, 2000.		
V	BX	GenBank Accession No. NM_001504, "Homo sapiens G protein-coupled receptor 9 (GPR9)," October 31, 2000.		
MOP	BY	GenBank Accession No. NP_001495, "G protein-coupled receptor 9; chemokine (C-X-C) receptor 3 [Homo sapiens]," October 31, 2000.		
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Examiner Signature MICHAEL PAIL Date Considered VIZIGI

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Application Number 09/101,518

Filing Date December 21, 1998

First Named Inventor Li

Group Art Unit 1646

Examiner Name Pak, M.

Attorney Docket Number PF218US

Sheet		4	of	4	Attorney Docket Number	PF218US		
	•	OTHER I	REFERI	ENCES - NON PA	ATENT LITERATURE DOCUMEN	TS		
Examiner Initials	Cite No. 1			journal, serial, syn	LETTERS), title of the article (when a nposium, catalog, etc.), date, page(s), v ty and/or country where published.			
MOP		November 1, 20	000.		, "chemokine (C-X-C) receptor			
7	CA				he chemokine receptor CXCR3 5-1519, November 20, 2000.	for acute allograft		
	СВ	ALBANESI et chemokines," J			eratinocyte expression of CXCR 1402, 2000.	3 agonistic		
	CC	ARIMILLI et a	l., "Che	emokines in au	toimmune diseases," Immuno. l	Rev. 177:43-51, 2000.		
	CD		CASCIERI et al., "The chemokine/chemokine-receptor family: potential and progress for herapeutic intervention," Curr. Op. Chem. Bio. 4:420-427, 2000.					
	CE SIMPSON e			ression of the	interferon-γ-inducible chemokin clerosis lesions," Neuropath. &			
	expression an				lecular characterization of rat Corotein-10 binding are increased			
CG PATEL et al., "CXCR3 and CCR5 ligands in rheumatoid arthritis synovium Immunol. 98(1):39-45, January 2001.				novium," Clin.				
	СН		al., "S	ignal transduct	ion by the chemokine receptor	CXCR3," J. Biol.		
	CI				pendent expression of CXC che activity," J. Clin. Invest. 107(1			
MOP	CJ				ceptor expression and function i "J. Immunol. 166:996-1002, 2			

Examiner			Date	1 , ,
Signature	MICHAEL	PAR	Considered	141401

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